Ex.1
```java
import java.util.Scanner;
public class ex1 {

    public static void main (String args []) {

            Scanner sc = new Scanner(System.in);

            int suma = 0;
            int counter = 0;
            double media = 0;
            while(suma <= 1000) {
                System.out.println("n=");
                int n = sc.nextInt();
                suma += n;
                counter++;
            }
            media = suma / counter ;
            System.out.println("media aritmetica este " + media );
        }
    }
```

Ex.2
```java
public class ex2 {

    public static void main (String args []) {

        int i = 5;
        do {
            int j = 1;
            do {
                System.out.printf("%3d", i);
                j++;
            } while ( j <= i);
                System.out.println();
                i--;
        } while (i >= 1);
        }
    }
```

Ex.3
```java
import java.util.Scanner;
import java.lang.Math;

public class ex3 {

    public static void main (String args []) {

                Scanner sc = new Scanner(System.in);

                System.out.println("n=");
                int n = sc.nextInt();
                double s1 = 0;
                double s2 = 0;

                for (int i = 1; i <= n; i++) {
                    s1 +=  Math.pow(i, 3) ;
                    s2 += i;
                }
                s2 = Math.pow(s2, 2);

                if(s1 > s2) {
                    System.out.println("s1: " +s1+ " > " + s2 + " :s2");

                }else if (s2 < s1) {
                    System.out.println("s1: " +s1+ " < " + s2 + " :s2");

                } else {
                    System.out.println("s1: " +s1+ " = " + s2 + " :s2");


                }
        }
    }
```